

**MUNICIPALITY POPULATION AND HOUSING UNIT UPDATE  
(HUM Methodology)  
SEPTEMBER 1, 2005 and JULY 1, 2007  
MARICOPA ASSOCIATION OF GOVERNMENTS**

Jurisdiction	Year 2005 Census Survey (September 1, 2005)								September 2, 2005 - June 30, 2007				July 1, 2007 Update						Jurisdiction
	Population			Housing Units		Occupancy Rate	Persons per Occupied Units	Residential Completions	Residential Demolitions	Annexed Housing Units	Change in Group Quarters	Total Housing Units	Occupancy Rate	Effective Pers. Per Occ. Unit	Population				
	Total	Household	Group Quarter	Total	Occupied										Household	Group Quarter	Total		
Apache Junction *1 *2	275	275	0	328	163	0.49695	1.68712	1	0	0	0	329	0.49695	1.68712	276	0	276	Apache Junction *1 *2	
Avondale	69,356	69,182	174	22,510	21,468	0.95371	3.22256	1,914	19	0	0	24,405	0.95371	3.22256	75,006	174	75,180	Avondale	
Buckeye	25,406	20,557	4,849	7,262	6,506	0.89590	3.15970	5,208	0	44	0	12,514	0.89590	3.15970	35,424	4,849	40,273	Buckeye	
Carefree	3,684	3,684	0	2,180	1,724	0.79083	2.13689	109	0	0	0	2,289	0.79083	2.13689	3,868	0	3,868	Carefree	
Cave Creek	4,766	4,761	5	2,228	2,021	0.90709	2.35576	135	14	0	0	2,349	0.90709	2.35576	5,020	5	5,025	Cave Creek	
Chandler	230,845	229,288	1,557	86,927	83,640	0.96219	2.74137	3,876	52	7	123	90,758	0.96219	2.74137	239,393	1,680	241,073	Chandler	
El Mirage	32,061	31,988	73	10,192	9,478	0.92995	3.37497	485	2	0	-14	10,675	0.92995	3.37497	33,504	59	33,563	El Mirage	
Fort McDowell *1	824	824	0	275	231	0.84000	3.56710	0	0	0	0	275	0.84000	3.56710	824	0	824	Fort McDowell *1	
Fountain Hills	24,492	24,321	171	12,243	10,777	0.88026	2.25675	521	0	0	0	12,764	0.88026	2.25675	25,356	171	25,527	Fountain Hills	
Gila Bend	1,808	1,808	0	702	593	0.84473	3.04890	11	0	21	0	734	0.84473	3.04890	1,890	0	1,890	Gila Bend	
Gila River *1 *2	2,742	2,697	45	695	639	0.91942	4.22066	0	0	0	0	695	0.91942	4.22066	2,697	45	2,742	Gila River *1 *2	
Gilbert	173,072	172,836	236	58,856	56,984	0.96819	3.03306	7,847	30	2,462	5	69,135	0.96819	3.03306	203,021	241	203,262	Gilbert	
Glendale	242,369	238,406	3,963	87,491	84,407	0.96475	2.82448	1,343	1	1	0	88,834	0.96475	2.82448	242,066	3,963	246,029	Glendale	
Goodyear	46,213	43,152	3,061	16,631	15,334	0.92201	2.81414	3,671	1	36	0	20,337	0.92201	2.81414	52,768	3,061	55,829	Goodyear	
Guadalupe	5,555	5,552	3	1,208	1,174	0.97185	4.72913	11	0	0	0	1,219	0.97185	4.72913	5,603	3	5,606	Guadalupe	
Litchfield Park	4,528	4,461	67	2,132	1,869	0.87664	2.38684	247	0	0	3	2,379	0.87664	2.38684	4,978	70	5,048	Litchfield Park	
Mesa	448,096	442,269	5,827	192,516	165,502	0.85968	2.67229	3,308	27	263	0	196,060	0.85968	2.67229	450,411	5,827	456,238	Mesa	
Paradise Valley	13,863	13,816	47	5,640	5,069	0.89876	2.72559	142	0	0	0	5,782	0.89876	2.72559	14,164	47	14,211	Paradise Valley	
Peoria *2	138,109	135,247	2,862	51,674	49,190	0.95193	2.74948	5,066	0	0	0	56,740	0.95193	2.74948	148,506	2,862	151,368	Peoria *2	
Phoenix	1,475,834	1,446,542	29,292	544,804	522,180	0.95847	2.77020	23,210	244	357	0	568,127	0.95847	2.77020	1,508,468	29,292	1,537,760	Phoenix	
Queen Creek *2	15,916	15,676	240	4,895	4,635	0.94688	3.38209	1,679	0	0	0	6,574	0.94688	3.38209	21,053	240	21,293	Queen Creek *2	
Salt River *1	6,796	6,746	50	2,636	2,058	0.78073	3.27794	15	0	0	0	2,651	0.78073	3.27794	6,784	50	6,834	Salt River *1	
Scottsdale	234,752	232,456	2,296	115,943	105,226	0.90757	2.20911	2,735	89	0	0	118,589	0.90757	2.20911	237,761	2,296	240,057	Scottsdale	
Surprise	88,265	87,775	490	39,606	33,707	0.85106	2.60406	7,409	10	3	12	47,008	0.85106	2.60406	104,179	502	104,681	Surprise	
Tempe	165,796	159,112	6,684	70,290	67,889	0.96584	2.34371	1,004	99	0	0	71,195	0.96584	2.34371	161,161	6,684	167,845	Tempe	
Tolleson	6,498	6,491	7	1,982	1,919	0.96821	3.38249	55	0	0	0	2,037	0.96821	3.38249	6,671	7	6,678	Tolleson	
Wickenburg	6,077	5,887	190	3,170	2,763	0.87161	2.13066	104	1	58	0	3,331	0.87161	2.13066	6,186	190	6,376	Wickenburg	
Youngtown	6,163	5,822	341	2,719	2,574	0.94667	2.26185	78	0	0	0	2,797	0.94667	2.26185	5,989	341	6,330	Youngtown	
Balance of County	226,355	224,566	1,789	113,771	100,369	0.88220	2.23740	9,730	0	-3,252	0	120,249	0.88220	2.23740	237,353	1,789	239,142	Balance of County	
<b>Total</b>	<b>3,700,516</b>	<b>3,636,197</b>	<b>64,319</b>	<b>1,461,506</b>	<b>1,360,089</b>	<b>0.93061</b>	<b>2.67350</b>	<b>79,914</b>	<b>589</b>	<b>0</b>	<b>129</b>	<b>1,540,831</b>	<b>0.93061</b>	<b>2.67826</b>	<b>3,840,379</b>	<b>64,448</b>	<b>3,904,827</b>	<b>Total</b>	

Note: These figures are preliminary and are subject to change. Totals may not add due to rounding.

\*1 Included in "Balance of County" in 2005 Census Survey.

\*2 Maricopa County portion only.

Sources: U.S. Bureau of the Census Year 2005 Census Survey, Arizona Department of Economic Security, Maricopa Association of Governments Prepared by the Maricopa Association of Governments, October 2007.

## **ATTACHMENT ONE**

### **Methodology for Preparing July 1, 2007 Municipality Population Updates**

#### **1. Prepare Census Data**

Using the Census Survey as the Base, determine the September 1, 2005 household population, group quarter population, total housing units, occupied housing units, occupancy rates and population per occupied unit for total units for each jurisdiction.

#### **2. Collect New Data**

Obtain the residential housing unit completions and demolitions for the time period from September 2, 2005 through June 30, 2007 from the MAG member agencies.

Obtain annexed and de-annexed housing unit data from member agencies. Determine population change from annexations/de-annexations using persons per occupied housing units and occupancy rates.

Obtain July 1, 2007 group quarter population from survey of MAG member agencies.

#### **3. Calculate July 1, 2007 Housing Units**

Calculate the July 1, 2007 housing stock by municipality by adding the net housing units (completions minus demolitions) and the net housing units annexed from step 2 above to the Census base.

#### **4. Calculate July 1, 2007 Resident Population**

Calculate household population using the Housing Unit Method (HUM) by multiplying the housing stock from step 3 times the respective occupancy rates and persons per occupied unit by municipality.

The occupancy rate and persons per occupied unit by municipality were taken from the 2005 Census Survey to calculate the new household population.

Bench the residential population in households to the county control total from DES\* to obtain July 1, 2007 population in households. Benching is necessary when the MAG derived total population does not match the control total obtained from DES. The DES control total is derived as the weighted average of the Housing Unit Method and the Composite Method.

MAG benches its numbers by municipality by proportionately distributing the difference based on the change from the base Census population.

Calculate the total resident population for July 1, 2007 by adding the July 1, 2007 group quarter population from step 2 to the July 1 2007 household population.

\* For July 1, 2007 DES has not yet provided a final Maricopa County Resident Population Update.